

CLAIMS

1. Method for making a trench wall in the ground, in which
  - at least one cutting wheel located on a frame of a trench wall cutter is given a rotary movement by a drive,
  - the trench wall cutter with the frame is lowered into the ground and soil material located below the cutting wheel is stripped and a cut trench made and
  - the cut trench is filled with a settable liquid,wherein
  - the settable liquid is introduced into the cut trench at the frame,
  - the stripped soil material is conveyed from the cutting wheel in planned manner into a rear area of the cut trench,
  - the stripped soil material is intermixed with the settable liquid in the cut trench and
  - the stripped soil material is at least partly left in the cut trench for forming the trench wall.
2. Method for making a trench wall according to claim 1, wherein at least one cutting wheel is driven in reversing manner.
3. Method for making a trench wall according to claim 1, wherein when making the cut trench, the trench wall cutter is at least temporarily given an alternating upward/downward movement.
4. Trench wall cutter for making a cut trench with a frame and having at least one cutting wheel located on the frame, the cross-section of the frame being smaller than the cross-section of the cut trench, accompanied by the formation of a free space, wherein the soil material stripped through the free space is conveyable by the at least one cutting wheel in planned manner past the frame into a rear area of the cut trench and on frame is located a supply device for supplying a liquid into the cut trench.
5. Trench wall cutter according to claim 4, wherein the at least one cutting wheel has a cutting tooth arrangement suitable for a reversing rotary movement.
6. Trench wall cutting device for making a trench wall, particularly using a method according to claim 1, having
  - a carrier implement and
  - a trench wall cutter according to claim 4, which is located in substantially vertically displaceable manner on the carrier implement, in which

- the trench wall cutter is displaceably guided on the carrier implement by means of a linear guidance mechanism.
- 7. Trench wall cutting device according to claim 6, wherein the linear guidance mechanism has a guide rod, particularly a telescopic rod, on which is mounted the trench wall cutter.
- 8. Trench wall cutting device according to claim 6, wherein the linear guidance mechanism has a guide sleeve located on the carrier implement and through which is passed the guide rod.
- 9. Trench wall cutting device according to claim 6, wherein on the carrier implement is provided a servomechanism, particularly a cable-hauled mechanism, for the vertical displacement of the guide rod.